0 164 0002 1242

1 Nues 200 a = 32

JAPANES TRADE STUDIES

Special Industry Analysis No. 33

SILK PARRICE

Prepared for the
Foreign Economic Administration
by
Ruth E. K. Peterson
a member of the staff of the
United States Tariff Commission

September 1945

PURL: http://www.legal-tools.org/doc/1212

Reporter at all of smith

164 0000 1843

A-33

FOREWORD

This is no of a series of Special Industry Analyses discussing from a commodity or individual industry viewpoint the autstanding items entering into the trade of Japan proper with its Empire and with foreign countries. These analyses are a part of a larger project which includes compilations (annotated) of the imports and experts of Japan proper by solrces and destinations; surveys of certain of the calonial areas, en hasizing their Empire and foreign trade and postver problems relating thereto; an ever-all study of the trade of Japan proper; and a survey of Japan's shipbuilding industry and shipping services and requirements in the prever period. In all of the studies Manchurio has been included as an Empire precoving to the political, economic, and military dominance of Japan in that area, especially during the last decade.

Most of the data in these analyses were taken from efficial and semiefficial Japanese sources. Not only have errors and inconsistencies frequently been detected within individual volumes, but many data from
different sources supposedly reporting in the same subject are irrecincilable. It is very likely that large shipments of goods reportedly moving
to Kwantung from Japan have been in large part morely transhipments destimed for Manchuria.

The present report is one of a number high were prepared during 1944 and 1945 for the Foreign Economic Administration by members of the staff of the United States Tariff Commission. Owing to the desire of the Foreign Economic Administration to obtain this material as promptly as a sable, the reports were not reviewed by the Tariff Commission. All statements of fact or opinion in these reports are attributable to the individual staff members who prepared them. The reports were originally intend of a continential use of Government agencies, but are now being made public with the consent of the Foreign Economic Administration.

PURL: http://www.legal-tools.org/doc/12128

164 0002 1644

A-33

CONTENTS

		Png
Totro	duction and summary	1
Deser	iption and uses	4
Organ	ization, location, and size of industry	4
Bay m	aterials	5
	ry of production, imports, exports, and apparent consumption	5
Produ	ction	8
	ts	11
	ts	12
	mption	17
Table	1 Japan proper: Exports and haperts of silk and silk manufactures, and total export balance in silk products, 1937-39	3
Table	2 Japan proper: Consumption of raw silk in manufacture of silk fabrics for export and for domestic use, 1933-39	6
Table	3 Silk and silk-mixed fabrics: Summary of production, imports, exports, and apparent consumption, Japan proper, 1928-39	7
Table	4 Japan proper: Production of silk and silk-mixed fabrics,	9
Table	5 Capan: Production of all-silk broad-woven fabrics, by types, 1928-37	10
Table	6 Silk fabrics: Imports into Japan proper, 1928-39	11
Table	7 Silk and silk-mixed fabrics: Exports from Japan proper to Empire areas and principal foreign markets, 1928-39	13
Table	8 Japan: Exports of silk-and silk-mixed fabrics, classi- fied by types, 1928-39-Quantity	14
Table	9 Jupan: Exports of silk and silk-mixed fabrics, classified by types, 1928-39Value	15
Table	10Broad-woven, all-silk rabrics: Comparison of average annual production and exports, Japan proper, by types, in period 1933-37	16
APPENI	DIX	1
Table	11 Japanese silk and rayon weaving industry: Number of factories, looms and operatives, 1928-38	18
Table	12 Japan proper: Principal silk and rayon weaving prefectures, classified by number of mills and looms in place in 1934	10

0 164 0000 1845

A-33

SILK FABRICS

Introduction and summary

The silk-weeving industry in Japon is older than that in any other country except China. Formerly a hand-loom industry carried on largely in rural households, it became extensively modernized following the expension in foreign trade after world war I. In the thirties Japon was the world's largest producer and exporter of silk-woven goods.

Silk fabrics were in Japan before the war fell into two clearly distinct groups—cloths made primarily for domestic consumption and cloths made primarily for export. Manufacture of each group constituted an almost separate industry with its own organization and methods of production. The group engaged in weaving goods for export was predominantly, though by no means exclusively, a power-loom industry. It produced mainly broad all-silk fabrics averaging 36 inches in width. Several export fabrics were distinctly oriental in type and not directly competitive with the fabrics produced in Occidental countries. They included habutae (popularly called "China silk" in the United States), Fuji cloth (of yorns spun from silk waste) and ponges. Creps, the most important export aloth made in recent years, is, on the other hand, similar in construction to the creps produced in the United States and Europe.

The division of the silk-weaving industry engaged in producing fabrics for domestic consumption is still predominantly a hand-loom industry, using mainly narrow looms and producing an extensive variety of native clother ranging from 8 to 27 inches in width. The output normally included a social narrow fabrics such as obiji used as sashes for rimanos.

The sitk-weaving industry is concentrated largely in Fukui, Gama, Kyoto, and Ishikawa prefectures. During the period 1933-37 it has a neverage of 71,000 factories, 200,000 workers, and 35 000 locals in lace, including broad and nervew power local and hand local. Over 85 percent of the establishments had loss than 5 locals each and a value till percent had nore than 50 locals each. Most of the silk-weavis mills in Japan also produce may a fabrics interchangeably with silk.

Japan is self-sufficient in raw materials for its state and reyonverying industry. It is the world's largest producer of as silk, and during 1936-36 was also the leading producer of rayon year and staple fiber. It also is an important manufacturer of spun-silk year made from waste. Japanese imports are mainly tussah or wild silk from Koree and Manchuria, used for weaving pages, and of the 4 leading expert fabrics.

Quantity data for production are incomplete and in dissimilar units for the various classes of goods. In value the total production of all silk-mixed fabrics, including broad and narrow goods, recorded 624 million yen during the period 1933-37.

164 0000 1946

A-33

The export trade of Japan in silk fabrics was built up on habutae. Between 1926 and 1937 crepes and Fuji cloth, however, predominated. Total exports, including shipments to all Empire areas, averaged 81 million year annually in 1933-37, or about 13 percent of production. Exports to Empire areas (principally Korea) were about 15 percent of the total value of exports during this period but increased to 34 percent in 1938 and to 60 percent in 1939.

Woven silk fabrics rank second in importance to r.w silk in Japan's export trade in silk and silk manufactures. Exports of all-silk and silk-mixed fabrics averaged about 15 percent of the total exports of silk products during 1937-39, and exports of raw silk about 50 percent; the aggregate value of the Japanese export trade in silk products, including raw silk, cocoms, wastes, semimanufactured silk, yarns, thread, moven febrics, wearing apparel, and other finished articles averaged 536 million yen, or about 11 percent of the total exports of products of Japanese manufacture to Empire and foreign areas in that period. Imports, principally raw silk and silk waste, averaged 41 million yen, leaving an average annual net export balance in 1937-39 of about 495 million yen. Thus the net credit obtained from exports of silk and silk manufactures exceeded that obtained from the exports of any other comparable category of Japanese goods. (See table 1:)

Whereas the postwar demend for Japanese raw silk in world markets will undergo a drastic reduction as a result of the further inroads of synthetic fibers, it is unlikely that the market for finished fabrics will be seriously affected by interfiber competition. Although the United States production of silk fabrics declined sharply in the thirties and was small in relation to the production of rayon fabrics, imports of broad silk goods into the United States did not undergo a proportionate decline. Despite the expansion in production of rayon and hylon fabrics forecast for the United States in the postwar period, a substantial volume of silk fabrics will continue to be imported. The volume, however, will depend very largely on the level of national income in the United States, and the existing rates of duty.

Of the total experts from Japan in 1937 and 1936, over 50 percent by volume and over 40 percent by value were shipped to the United Kingdom and British-bold cross. The United Kingdom, in most years the largest Occidental market for Japanese silk fabrics, imported a considerable volume of gray-leven broad silks for reexport after further conversion by printing and dyeing. As this so-called "improvement" trade is important to the British textile finishing industry, imports of Japanese silk goods will probably continue to be required. The postwar demand of the Japanese silk each college dominions and possessions likewise is expected to be maintained at substantially the same level as in preser years.

^{1/} See Japanese Trade Studies, Special Industry Am lysis No. 10 - Row Silk, prepared for Foreign Economic Administration, April 1945.

		(In thous	ands of yer	1)	1/2 5	1	
	193	7	1	938	193	39:	1937-39
Item :	Imports	Exports	Imports	Exports	Imports	Exports	net export
aw silk (including tusseh):	25,192	407,118	27.484	364,124	33,208	506,845	399,068
ocoons (including doupions):	1,714 :			271 :			2/
ste silk (including cocoon, :			1000		1000	S	
mill and rag waste):	8,403 :	4,880	: 6,933	1,762 :	12,947	420	2 7,07
ombed silk (peignee):		1,084	:	: 1,260 :		744	1,02
arns and thread:	-	7,525		: 4,257 :		6,218	
ilk fouries (except knit):	1,393 :	82,791	: 1,815			91,590	77,92
paring apporal (except knit):		: 10,173		: 7,346 :		7,317	
nit fabrics and apparel:		2,939		3,078		3,948	
ndkerchiefs /:		5,638		: 2,735 :		2,940	
mall weres 2:		3,383		: 2,037		: 1,553	
ther a nufactures:	-	797		: 423 :		124	
Total:	36,702	529,509	: 33,913	: 453,809 :	53,042	623,719	494,46
			<u>. </u>				
Export belance:	10	2,807	. /10	,896	570	,677	494,46
Export bolinet:	1.74	2,007	. 417	,070	, ,,,,	,01.	2,74,40

^{1/} Where separately reported in foreign trade statistics of Korea, the data includes exports to end imports from Japan by Korea.

Source: Compiled from annual and monthly returns of the foreign trade of Japan and of Chosen (Korea).

4-33

^{2/} Includes ribbons, laces, cords, braces and shoe laces.

^{3/} Net imports.

0 164 0000 1348

A-33

Description and uses

Woven silk fabrics are produced in a great diversity of tyres. The curroses for which silk fabrics are used depends upon their width, weight and construction. The bulk of the light and medium weight broad-woven fabrics are employed for wearing argarel and linings. In heavier constructions, silk broad goods are used for upholateries, drappries and other decorative purposes. Narrower fabrics under 30 inches in width are largely for neckvies, umbrelles, handkerchiefs, kimono sashes and many classes of again of distinctly oriental type. Silk fabrics have military uses in the manufacture of escape paracoutes and towder begs for large caliber ordnance. Silk fabrics have also a few industrial uses, mainly as bolting cloth in flour mills and as screen-printing materials.

Organization, location, and size of industry

Silk weaving in Japan was for centuries a household enterprise providing a supplemental source of income for the farming population. It remained a handcraft until after the first decade of the present century. Hund looms then began to be replaced by cover looms imported from Switzerland, France and Germany. Later the industry was supplied with equipment and appliances of Japanese manufacture. Because of the limited financial resources of the average small weaver, the mechanical looms made in Japan are simpler in construction, less costly, and probably less productive than those used in the United States and Europe.

Despite mechanization, weaving in the old established silk centers has continued to be conducted mainly in small mills. In Jaran, as a whole, over 55 percent of the weaving establishments have an average of not more than 5 looms per mill and are in the nature of family shors with meager estital and few employees. Relatively few weaving companies in the influstry are integrated for throwing, dyeing, and finishing; large coale operation is mainly in areas where silk reaving is of comparatively recent origin and in areas specializing in the production of expert fabrics of a specific type. In 1937 only one weaving mill in Japan had over 7,000 looms, two other integrated mills real between 1,000 and 2,000 looms each and over 30,000 scinning and twisting spindles. In that year only about 20 weeving mills, all teld, had 300 or more looms; only 10 throwing lands had more team 20,000 spindles.

protes of Japan, the power-loom industry is contralized eniofly in the trefectuarist of Fukui, Ishikawa, Kyoto, Gumma, Niigata and Tochigi. Each of these projectures has more than 12,000 power looms PURL http://www.legal-tooks.org/doc/12128c/ in vi. to lighter tree weekenised. It was approximately 60,000 looms and has a mental number of medium and large size milks and a greater production that any other prefecture is Japan. (See table 12 in the appendix.)

V - ctridge cloth for ponder baga's made . yarm . yar from waste alla noils.

0 164 0002 1849

A-33

5

A trend towards greater employment, more extensive mechanization, and elimination of unproductive establishments has been manifest in the Japanese silk industry since the early thirties. The adortion of rayon, we a supplementary raw material, was the factor most repronsible for this development. A reduction of 14 percent in the number of hand looms and 11 percent in the number of establishments occurred in 1932-37, a compared with the proceeding 5-year period. Power looms, on the other and increased 3 percent, and the labor force 30 percent. By 1938 the industry had 6 to establishments, 316,000 power looms, 76,000 hand looms, and 305,000 loyees. (See table 11 in the appendix.)

Rew materials

In addition to raw and thrown silk, the alk weaving industronsumes spun-silk yarn (made from waste silk), rayor-filament yarn, as eaven yarn (made from starle fiber), and cotton. It is self-sufficient all of those materials except cotton for use in a small output of silk misses. It also must import a class of raw silk called "tussah" obtained from a cocoons of wild (i.e., undomesticated) silkworms which is used for a possession textured materials, such as pongee. Imports of tussah raw at the chiefle from Korea, Kwantung and Manchuria averaged 2½ million pour annually 1932-37. In the production of the standard variety of rawalk (obtained from the domesticated mulberry-feeding silkworm) again has so the world's largest producer of rayor during to 3-year and 1936-38.

The domestic raw silk consumed by the waving industry consists to a large extent of hand-reeled silk and filature reeled silk of grade which have been preshipped to the interior, from the ports-of Yokohoma Kobs, after having been tested in the silk conditioning houses and found to be inferior for export. The total consumption of raw silk in the manufacture of fabrics for export is estimated to have averaged 14 million pounds annually in 1933-37 or about 40 percent of the total volume of raw alk retained within Japan. (See table 2.)

Summary of production, imports, exports and apparent consection

The total production of silk and silk-mixed fabrics of all widths and types increased steadily after the early 30's, and amounted to 785 million yen at its peak in 1938. Imports have always been a negligible factor in the domestic surply situation. Even at their maximum 3.4 million yen in 1939, they here less than one-half of 1 percent of production. Consumption has thus been virtually confined to goods of domesting who frequency walue, total exports were 66 million yen, or less than 10 percent of production in 1933, and everaged 81 million yen or 13 percent in 1933-37. (See table 3.)

100			-	-	_	(In	tho	usunds of	ye				_			
Joseph . C		-	THE RESERVE TO SERVE	perts	100		:	The Area	_	Exports	_		:			dex of ran
Vorm	: :Froductio		From :	hon	9			o Empire		Other	:	0-1-2	:	con-		lk prices
Year	. 7/		roas 2/:	mier.		00.1	:	areas 3/		Other	:	Total		sumption	:De	0.1929=100
	: 4	: 0.	roas Z/	14800	1000	ACC.	÷		÷		÷		:		<u>:</u>	
000		•	•	202		-			٠.	6	:	41.	•	The second	:	
928	: 540,669	:	-:	131		,131		9,284			1		:	400,218	:	113
929	: 493,850	:	-:	48	:	48	:	9,786	:	146,188	:	4 155,975	:	337,924	:	112
930	: 425,139	:	-:	81	:	81	:	5,040	:	65,594	:	70,634	:	354,586	:	66
931			-:	86	:	86	:	4,997	:	42,675	:	47,672	:	359,278		50
932			-:	91	:	91	:	5,977		49,715			:	383,418		60
Average,		:	100		:		:		:	1.0	:		:		:	0 12/25
	: 461,108	:	-:_	87	:	87	:	7,016	:	87,094	:	94,110	:	367,085	:	80
200	:	:	:		:		:		:		:		:		:	
933	: 501,094	:	-:	48	:	48	:	7,512	:	62,237	:	69,749	:	431,393	:	65
934			1000	63		63		12,125	:	74,406	:	86,501	:	514,402	:	45
935			3:	82	:	85	:	14,173	:	73,293		87,465	:	545,552	*	62
936			766:	118	:	884	:	14,986		63,872		78,250	:	585,160		66
937			1,167:	226	: 1	.393	:	13,737		69,054		82,791	:	640,050		71
Average,		:	•		:		:		:		:		:		:	
	: 623,896	: :	5/ 645:	107	:	495	:	12,507	:	68,572	:	81,079	:	543,312	:	62
938			1,671:	144	: 1	,815	:	22,197	:	43,809	:	66,000	:	721,334		65
939			3,390:			,398		55,463		36,127		91,590	:	5/	:	116

1/ Consists of Broad and narrow fabrics, obijis (sashes) and other special weaves.
2/ Principally from Korea for which data were not separately reported prior to 1936.

Source: Production data from Japan Financial and Economic Annual. Foreign trade data compiled from official annual and monthly statistics of Japan, and Korea.

W

^{3/} Inclusive of Korea, Manchurin and Kwantung; shipments to Formosa and Mandated Islands are not separately classified. 4/ Includes rayon fabrics in 1928 and 1929. 5/ Average only for years indicated.

^{6/} Not available.

Table 4.- Japan proper: Production of silk and silk-mixed fabrics, 1928-38

		Broad f			of yen)	Obiji	: Other :	Greno
Year	All- silk	Silk- mixed		Total	fabrics.	(Kimono sashes)	fabrics	total
928	181	: 24	:	205	279 :	45	11.	541
929:	194	: 13	:	207 :	238 :	39	: 10 :	494
930:	151	: 12	:	163 :	222 :	33	: 7 :	425
)31:	137	: 11	:	148 :	219 :	32	. 8 :	400
932:	176	: 11	:	187 :	210 :	33	: 9:	/,39
Average, :	168	: 14	:	182	234	36	9	461
33:	236	: 15	:	251	210 :	29	11	501
34:	273	: 20	:	293 :	249 :	34 42 46	25 :	601
35:	283	: 21	:	304 :	260 :	42	27 :	633
36:	312	: 23	:	335 :	256 :	46	26 :	663
37:	367	: 35	:	402 :	247 :	43	29 :	721
Average, : 1933-37:	294	: 23	:	317	244 :	39.	24	624
38	359	: 35	:	394 :	307 :	47	37	785

1/ Inclusive of all-silk and silk-mixed fibrics. The width of these fibrics is less than 30 inches.

Source: Japan, Financial and Economic Annual, 1940.

Imports

Until the late thirties imports of all-silk and silk-mixed Thorics were negligible and averaged less than 300,000 yen annually. After sharply increasing in 1937, imports rose to a peak of 3.4 million yen in 1939. Compared with exports, however, the import trade in silk fabrics is small.

Table 6.- Silk fabrics: Imports into Japan proper, 1928-39

Year	1	From	Korea	: From other	Total
人能等从是示范	: 1	000 sq.yd.	1,000 ven	: 1,000 yen	1,000 yer
928	:	2/	2/	: 131	131
929		2/	2/	: 48_ :	48
930	2:	2/2/2/	2/2/2/	: 81	81
931	0	2/	2/	: 86 :	86
932	1	2/	2/	: 91	91
Average, 1926-32		-	-	87	. 87
933	:	2/	2/ 2/ 766	48	48
934	:	2/2/	2/	:" 63	: 63
935	:	2/ :	2/	: 85	: 85
36	:	770 :	766	: 118	: 884
)37	:	1.038 :	1,167	: 236	1,393
Average, 1933-37	+:	4. Yes	1-00	107	495
936	:	1,476 :	1,671	: 144	1,815
939		2,258 :	3,390	: 8	3,398
131		-,	-,-,4		2,2,0

^{2/} Not separately reported.

Source: Annual and monthly returns of the foreign trade of Japan and of Chosen (Koren).

		De	pire areas	2/				Foreign o	ountries			
Year	Total, (all countries)	Kores	Kwantung	Manchuria	British India 2	United Kingdom	United States	Australia	Union of South Africa	Straits Settle- ments	Egypt	Other
						Value (1	,000 yen)					
1928 ½ 1929 ½ 1930 1931 1932	155,974 70,634 47,672	6,529 6,024 4,864 4,625 5,410	2,236 2,786 170 370 563	519 976 6 2 4	17,068 24,712 6,247 4,990 10,398	9,728 10,322 6,563 4,218 4,640	15,403 14,699 6,465 4,520 3,807	28,310 26,268 13,615 8,733 13,720	6,299 5,912 4,843 4,016 2,527	2,503 6,065 799 595 781	1,443 2,189 2,856 3,036 3,454	50,544 56,021 24,206 12,567 10,388
Average, 1928-32	94,110	5,490	1,225	301	12,683	7,094	8,979	18,129	4,719	2,149	2,596	30,745
1933 1934 1935 1936	69,749 86,531 87,466 78,858 82,791	6,211 9,043 10,022 10,831 10,505	1,197 2,678 3,327 3,474 2,839	104 404 824 681 393	15,254 20,087 18,074 13,203 13,838	7,615 10,588 12,069 8,306 9,518	5,558 5,258 6,778 7,544 11,531	10,795 8,840 6,691 4,076 2,664	4,734 4,651 4,008 4,005 3,531	1,125 3,396 3,105 3,613 4,597	3,314 3,601 2,559 2,333 3,158	13,842 17,985 20,009 20,792 20,217
Average, 1933-37	81,079	9,322	2,703	481	16,091	9,619	7,334	6,613	4,186	3,167	2,993	18,569
938	66,006 91,590	16,654	4,049	1,494 6,356	7,896 5,416	9,023 7,541	8,282 7,413	1,923	1,454	1,122	1,772	12,337
					Quant	ity (1,000	square y	arde)				
1935 5/ 1936 1937 	140,801 131,075 131,173	9,824 10,107 8,811	3,730 3,107 1,853	663 555 322	29,178 24,413 25,707	18,172 13,156 13,491	17,071 19,339 27,544	10,202 5,830 3,228	6,443 6,368 4,958	4,829 5,954 7,195	5,250 5,074 5,774	35,439 37,172 32,290
Average, 1935-37	134,350	9,580	2,897	513	26,433	14,940	21,318	6,420	5,923	5,993	5,366	34,967
938	106,395	15,743	2,907	1,690 4,833	17,755 8,560	15,286	23,702	2,404	1,994	1,812	3,391	19,711

^{1/} Includes rayon fabrics prior to 1930.
2/ Skipments to Pormosa are not smallable; silk fabrics are combined with cotton fabrics in the import statisties of that country.
3/ Includes Ceylon prior to 1934, and Burma prior to 1938.
4/ Classified as Cape Colony and Batal in 1928 and Federation of South Africa, 1929-36.
5/ Quantity data incomplete prior to 1935.

Sources Compiled from annual and monthly returns of the foreign trade of Japan and of Chosen (Kores).

Table 8.- Japan: Exports of silk and silk-mixed .abrics 1. classified by types, 1928-39 - Quentity

	1200	- 4		T	o a	11 1	rea	S 62	cce	pt Ko	ore	20						:		:	
Year	Crepe and kabe-	: -:Hab		Fuji	: :P :g	on-	· Sa	tins	315		S:	Total types enu- merated	:	nsp	er	-:	irand		To Kores	4	Total totall coun- tries
				In m	111	ions	of	son	107	e var	rds	s (part	4	114	0	24.5	mate	1)			1
1928 1/ -		: 50	:	42	:	24		8		5	:	156		8	0.	:	164		4	-	1.00
929 1/ -	: 26	: 51		44	:	26	:	12	:	10		169		28	-				4		201
.930		: 32	:	31	:	1,7	:	3	:		:	104		1			105		4		109
931	: 21	: 19		18	:	26	:	3	:	7/7/	:	87		ī		•	38		4	:	92
932	: 24	: 20	:	30		26	:	3	:	ī	:	102		3			105		5	:	110
Average,		:	:		:		:	-	:	and the same	:		:	-	_	-		7		:	
1938-		:	:	01	:	- 6	:		:		:		:			:		:		:	
32 -		: 35	:	33	:	. 23	:	6	1	3	:	124	1	8			132	:	4	:	136
933		: 18	:	33	:	-	:	3	:	7/	:	114	:	5		:	119	:	6	:	125
934	100	: 25	:	32	:	22	:	7	:	1	:	130	:	6		:	136	:	9	:	145
935		: 21	:	23	:	17	:	6	:	3	:	121		10		٠.	131	:	10	:	141
936	100000	: 27	:	24	:	9	:	6	:	5	:	113	:	8		:	121	:	10	:	131
937		: 39	1	23	1	11	:	3	:	4	1	121	1	2	_	:	122	:	9	:	131
Average,			:		:		:		:		:		:			:		:		:	11.
1933-		: 01	•	200						-	:		:			:		:		:	**
938	-	-		27	-	18	_	2	<u>:</u>	3	:	120	+	6		1	126	1	- 9	<u>:</u>	135
000	26	: 40		10	•	3	:	3	•	5	•	90	3	1		:	91	:	-	:	107
939	15	: 26		0	•	3		2		2		56	•	2		:	58	:	31	:	'89

horea include rayon fabrics not separately reorded in 1928 and 1929.

In 1923-34, estimated from data reported by weight. Habutse exportance C-monage in weight (equivalent to 20.8 square yards per pound). Habutse exports assumed

3/ Includes Eniki, chiffons, noil cloth and bolting cloth.
4/ In 1928-34, not reported in quantity. Computed on basis of average annual unit vivuo of the total specified fabrics.

Partially estimated as explained in footnotes 2 and 4.

Int classified by types.

Las than 500,000 square yards.

Source: Compiled from annual and monthly returns of the foreign trade of Japan and Chomer (Gorea), except for estimates as noted.

PURL: http://www.legal-tools.org/doc/12128c/

Exports of silk and silk-mixed fabrics Table 9 .- Japan:

	2 7 1 8		傷間	To E	11 1	re	28 0	xce	pt Koz	rec	4.367	100						1	2012
THE BOOK OF						:	THE R		1000	1			All						otal
	: Crepec	300									Total		other		Conne		ac	:(011
LUES A	:kobe-			oth			atin				types enu-	:"	fied	-	total	·	3/		oun-
109 3	: ori	CONTRACTOR OF THE		N.V.	goo.				2/		erated				5/	1911	2/	0.70	ries
37 3				1,361		:	1	8. 1	4	ï			11						
10 10	1 : A020	Same of	1	7990	557		1-10	100	-	110	7,815		-	180			1714		4
10 AN		100		100	OF Y		In	mi	llions	3 (of yen		4.30		United to		Sill.	J. SE	SIA.
28 1/	-: 36	33	1	36 :	13	:	6	1190	4	:	128	:	6	:	134	:	7		141
29 1/_	-: 34	: 31	1.	36:	12		9	1986	7	:	129	:	21	:	150	:	6		156
30	71 22	16	1	19 :	6	:	2		W	:	65	:	1		66	:	5		73
31	-: 181	7		9 :	7		1	:	4	:	42	:	4	:	43		5	:	48
32	-: 19	6	1	15 :	7	1	2	1	4/	1	49	1	1	1	50	1	5	1	55
Average,				應的	PAL.	:	Yes		1	:	图图:	:		:	T. AU		2.76		
1928-3	2: 26	: 19	10	23 :	10	÷	4	:	2	_	83	<u>.</u>	- 6	÷	89		2	-	94
27	-: 45	表例	Maria Maria	17 :	10		1		4,	:	61	:	1	Ċ	77		6		70 86
25	- 80	: 10		14:	5	:	1	1	4	:	23	:	7	:	77	: 1	ó		87
36	-: 31	: 10		14:	3		3		2	:	64	:	7	:	68	California.	ī		79
37	-: 31	: 17		15 :	4		2		2	i	71		2		73	: 1	0	-13	83
Average,	: 1/2	1 U.	1	1			77.19	1		:		:	36.35	:	2000	:		: 3	
1933-3	7: 32	-	1	16:	6	1	3	1	1	1.	69	:	3	1	72	1_	9	:	81
38	- 2000	100 market (100 No. 100 No. 10	:	7:	2	:	2	:	2	:	48	:	2	:	50		6	:	66
39	-: 14	: 16	:	8 :	1	:	3	:	2	:	44	:	. 4	:	48	: 4	4	:	92
1/ Dot	o fon a	1			-	1		-		1		1		1	-	1_	_	1	

^{1/} Data for countries other than Korea include rayon fabrics not separately recorded in 1928 and 1929.

Source: Compiled from annual and monthly returns of the foreign trade of Japan and Choson (Koren).

Includes kaiki, chiffons, noil cloth and bolting cloth.
Not classified by types for Korea.
Less than 500,000 yen.

Table 10.- Broad-woven, all-silk fabrics: Comparison of average annual production and exports, Japan proper, by types, in period 1933-37

Item	: Production 1/		: production
		Quantity	Turnet
	: Million sq. yd. 3/	sq. yd.	Percent
repe and Kabe-ori	198	: 41	20.8
uji cloth	: 57	: 27	: 47.0
labutae	: 103	: 26	: 25.3
Satin	: 85	: 5	: 6.0
ongee	: 28	: 18	: 63.1
Total specified	: 471	: 117	: 24.8
ther (unenumerated)	: 4/ 338	: 5/ 18	: 5.3
Grand total	: 6/ 809	: 6/ 135	: 16.7
	1 6/19/11/16	Value	
	: Million yen	: Million yo	n: Percent
	: 37		1
repe and Kabe-ori	: 85	: 32	: 38.0
uji cloth	:	: 15	: 56.6
labutae	: 20	: 11	: 41.0
Sotin	: 20	: 3	: 11.9
Onzac	: 0	: 6	: 67.8
Total specified	: 1/2	: 67	: 38.9
ther (unenumerated)	: 7/ 121	: 50/ 14	
Grand total	: 294	: 81	: 27.6
	: brond-woven a	1 1	silk-mixed

Production of all-silk broad-woven goods only; broad goods not reported in quantity.

2/ Exports include an unspecified amount of silk mixtures and

narrow fabrics assumed to be small. 3/ Converted from meters shown in table 5 assuming width to

average 36 inches.

4/ Estimated as explained in footnate to table 9.

5/ Includes (a) experts to Keres of Cobrics not specified by types; (b) exports to other countries partially estimated for portion of period (1933-34) when quantity reports PURE http://www.legal-tools.org/doc/12128c/

6/ Partially estimated.
7/ Partially estimated as explained in footnote to table 8.

Source: Computed from date in Japan Ye rbook and smull returns of the foreign trade of Japan.

0 164 0000 1850

A-33

Consumption

Specific types of silk broad-woven goods are made largely for export. On a value basis over half of the Fuji cloth and two-thirds of the pangee produced during 1933-37 were exported, together with about 40 percent of the habutae and 38 percent of the crepes. Other broad-woven silk fabrics, not specified by type, were, on the other hand, mainly consumed within Japan.

Silk and silk-mixed narrow-woven goods, including obijis, for kimono sashes, and other special fabrics, which constituted about half of the value of the total production in 1933-37 were almost wholly for domestic consumption.

The value of the combined consumption of both broad and narrow silk fabrics, including specialties, averaged 87 percent of the aggregate value of the silk fabric production in Japan in 1933-37, as compared with 60 percent in the preceding 5-year period. Although consumption cannot be computed on a volume basis because of the incomplete quantity data on production, the value figures show a strong upward trend throughout the thirties. Consumption rose from 355 million yen in 1930 to 721 million yen in 1938. (See table 3.) This expansion in value reflects a large increase in volume of consumption as the annual average price of raw silk throughout this period (except 1937) was lower than in 1930.1

PURL: http://www.legal-tools.org/doc/12128c/

APPENDIX

Table 11.- Japanese silk and rayon weaving industry: Number of factories, looms and operatives, 1928-38

W. 1887	D			Looms	9		:	Onemaklasa
Year	Factories	Power 1	:	Hand	:	Total	:	Operatives
	1		:		:		:	
1928	84,348 :	111,104	:	106,945	:	218,049	:	217,631
1929	63,107 :	125,849	:	99,190	:	225,039	:	215,925
930	79,864 :	133,244	:	92,944	:	226,188	:	206,542
931	77,723 :		:	89.641	:	234,443	:	213,285
932			:	85,214	:			224,561
Average, 1928-32-			:	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN	_	229,682		215,589
			:	. 5,	:		:	
933	71,273 :	176,289	:	84,089	:	260,378	:	236,997
734	72,907 :	216,731	:	84,990			:	267,345
935	72,311 :	251,977	:	82,868	:	334,845	:	290,912
.936		287.842	:	81,477			:	310,359
937	7 2 1 2 1 4 1 2 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C	305.744	:			379,214		294,292
Average, 1933-37-			:			329,095		279,981
No. of Contract of			:		:			
938	65,229 :	315,636	:	75,650	:	391,286	:	304,932
			:		:			

1/ Including broad and narrow looms.

Source: Financial and Economic Annual of Japan, 1940; Japan-Manchoukuo Year Book, 1940.

Table 12.- Japan proper: Principal silk and rayon meaving prefectures, classified by number of mills and looms in place in 1934

	Nu	mbo	er of mi	11	s having-	_		Total nur	nbe	r of loom	s in plac
	Less than	:	10 - 50 looms		Over 50 looms	:	Total	Power	:	Hand :	Total
		:			TOTAL T	:			:	:	
Fukui	795	:	1,261		250	:	2,306 :	59,000	:	500 :	59,500
Ishikawa:	220	:	566	:	127	:	913 :	26,300	:	-:	26,300
Gumma	16,486	:	602	:	48	:	17,136 :	21,400	:	18,000 :	39,500
Kyoto:	0,625	:	498	:	30	:	9,153 :	21,700	:	11,600:	33,300
Niigata	1,654	:	362	:	58	:	2.074			1.700 :	15,000
Tochigi	2,942	:	466	:	21	:	3,429 :	12,800	:	2,700 :	15,500
Tokyo	2,771	:	347	:	12		3,130 :	- 179 W. S.		3,950 :	13,154
Yamanashi	2,474	:	130	:	_		2,604 :			900 :	8,500
Yamagata:	2,136	:	200	:	24	:	2,360	A MORE THE RESERVE AND A STATE OF		2,600 :	8,800
Total, including others	66,525		5,691	100	691		72,907	216,700	:	35,000 :	301,700

Source: Japan Silk Yearbook, 1935-36.

EA BONG ICON

A-34

FORE FORD

This is one of a series of Special Industry Analyses discussing from a commodity or individual industry viewpoint the outstanding items entering into the trade of Japan proper with its Empire and with foreign countries. These analyses are a part of a larger project which includes compilations (annotated) of the imports and exports of Japan proper by sources and destinations; surveys of certain of the colonial areas, emphasizing their Empire and foreign trade and postwar problems relating thereto; an versall study of the trade of Japan proper; an's survey of Japan's shipbuilding industry and shipping services and requirements in the prewar seried. In all of the studies Manchuria has been included as an Empire area wing to the colitical, coon mic, and military dominance of Japan in that area, especially during the last decade.

Most of the data in these analyses were taken from official and semiofficial Japanese sources. Not only have errors and inconsistencies
frequently been detected within individual volumes, out many data from different sources surposedly reporting on the same subject are irreconcilable.
It is very likely that large shipments of goods reportedly moving to Kwantung
from Japan have been in large part merely transshipments destined for Manchuria. In addition, the data probably exclude shipments of commodities
made to and from Empire areas for military purposes.

The present report is one of a number which were present during 1944 and 1945 for the Foreign Economic Administration by members of the staff of the United States Tariff Commission. Owing to the lesire of the Foreign Economic Administration to obtain this material as promptly as possible, the reports were not reviewed by the Tariff Commission. All statements of fact or opinion in these reports are attributable to the individual staff members who prepared them. The reports were originally intended for confidential use of Government agencies, but are now being made public with the consent of the Foreign Economic Administration.

PURL: http://www.legal-tools.org/doc/12128c/

COTTON TEXTILLS

Introduction and summery

164 0002 1251

of the total of all kinds of textiles produced in Japan proper (value of production 4.0 billion yen in 1938 and 4.8 billion yen in 1939) cetter textiles was the most important in both value of products and the number of persons employed. In the years just preceding World War II Japan was among the three most important cotton-textile producing countries of the world. It ranked third in the number of cotton spinning spinales, second in the amount of cotton consumed, and first as an exporter of cotton cloth; this, despite the fact that Japan is dependent almost entirely on forcing sources for its supply of raw cotton, importing it chiefly from India and the United States.

'Ithough Japan's first cotton mill was established in 1860, the industry made slow progress until about 1890, when there were reported 278,000 spindles and 400 power looms. The number of spindles amounted to about 1.3 million in 1900, increasing thereafter to a peak of 12.8 million in 1938. The Department of Commerce and Industry reported about 400,000 looms in 1938.

Although exports of cotton yarn were greater than imports, they usually amounted to only about 3 percent of production. Exports of cotton yarn totaled about 365,000 piculs and imports about 94,000 piculs in the period 1933-37; the value of the exports averaged 42 million yen. The trade in yarn--both imports and exports--was about equally divided between Empire areas and foreign countries until 1936, when exports to foreign countries increased rapidly, in order to gain foreign exchange, and exports to Empire areas were deliberately reduced by the Government to keep imports of raw cotton as low as possible. Most of the exports to Empire areas were to Korqa and Manchuria, while the principal foreign markets were British India and the Metherlands Indies.

of the output of cotton cloth, however, Japan has experted the greater proportion, ranging from 55 to 75 percent in recent years. Experts of cotton blankets, towels, and tablecloths have also represented a large part of their output. From 1933 to 1938 the experts of cotton fabric ranked first in value among the experts of principal councilities and ranked second to raw silk experts in other years, including 1939. Total experts of cotton cloth were valued at about 525 million yen in the period 1933 to 1937. In this period only about one-fifth of the experts were to Empire areas, chiefly korea and Manchuria and the reminder want to forcign countries, most outstanding of which were British India, Notherlands Indies, and Egypt, although substantial Perserbit Www.legahtools.org/do cloth from Japan were made to a great number of countries throughout the world. The largest market of Japan was, however, concentrated in the Asiatic area, where the proximity to markets and the low cost of Japan made textiles encouraged sales in competition with Nestern producers as was the case with yarn, experts to Empire areas declined as a result of efforts to reduce imports of raw cotton into Japan and to conserve foreign exchange.

64 BBB2 1666

4-34

the industries within these countries to reduce imports of foreign manufactures and because of pressure from the major textile exporting countries of the world, the Japanese cotton textile industry may well be faced with severely shrunken markets.

While the export of cotton annufactures: y not have yielded a very large net credit for Japan in some years, it carly always covered the cost of cotton imported from abroad for dones ic consumption. If exports of cotton manufactures are severely reduced in the postwar period, it is doubtful whether Japan will have suffice at foreign exchange with which to purchase raw cotton or cotton textiles for use within the country. It may become necessary to severely restrict such imports and encourage the manufacture of textiles for denestic consumption which can be made from raw materials available to a large extent within the country.

Before the war Japan required approximately 4 million soindles to process raw cotten for demestic consumption. (See table 10.) There are preliminary reports that the number of cotten spindles in Japan has been reduced from the prewar level of 10 to 12 million to approximately 3½ million, as a result of air-raid damage, scrapping (for metal content of machinery), shipsents of machinery to the continent, and depletion. If this is the case, the spindles available within the country may be required to supply a minimum of textile fabrics for use in Japan whether the fiber processed be cotten, staple fiber, spun silk, or wool. The problems of the expertation of textile manufactures from Japan in competition with experts from Western countries would, therefore, probably not occur because of the tack of textile machinery facilities within Japan and the continuing serious shortage of such machinery throughout the world within the next four or five years.

Cotton Yarn

The production of citten yers in Japan consists enterly of course and solum round yers which are used almost intirely in the manufacture foliath, knit goods, cords and twin., and various other products. About 60 percent of the yers are courser than 23s and 95 percent courser than 45s. Less than 4 percent of the total output is experted. Of the small imports if cotton yers China and Kwantung have been the chief sources, with some from Great Britain.

A total of 70 to 75 companies have controlled the PURIL http://www.puegalebols.org/doc/12128c/cetten yern. With few exceptions these companies are members of the Japan Cotton Spinners' Association. Although the number of spinales, since 1925, has nore than doubled, the number of companies has remained about the same through the expansion of large wills and their absorption of small companies. Thus the spinning investry has been concentrated under the control of a few companies which also have expanded their activities to a nore complete vertical integration.

0.164 0005 1363

Support of preser supply

In the production of cotton yarm (and pleas soul) the United Kingdom in the period 1933-37, ranking of States. In 1938 and 1939, however, it was outwarded output reached a peak of about 1.6 billion pounds in 19 imports and exports are, relatively to yarm consumption

Production

The production of cotton yarn in Japan is mainly for how tion to be used principally in weaving and knitting for domestic tion or export (see table 10). The courser yarns are sade largely for Indian cotton and the medium counts from American and, in later years Brazilian cotton. The small output of fine yarn is made to the cotton. Production of cotton yarn, by yarn groups, in the parish 1929-39, is shown in table 4.

Table 3.- Gotton yern: Summary of Japanese production, imports, and exports, and apparent consumption, 1928-39

	/	The state of the s	: Import	s f	rom-	: Expo	rts to-	_;	
Year	1	Froduction	:Empire	/ <u>:</u>	Other	:Empire		:	Apperent consumption
						y (100 ki	The state of the s		48 3
929						:123,903			
930						97,389			100 - 1 to 1 to 100 to
Average, 1928-32		3,431,311	: 55,103	:	30,660		: 2/4.27	2 :	8,125,140
933		9,299,568	: 65,808	:	111,096				9,233,54
36		10,677,153	: 31,060	:	22,763	:175,366	: 232,81	2 :	10,322,79
37		12,031,728	: 27,869	:	6,519	:135,804	: 293,69	3 :	11,636,61
Average, 1933-37		8,577,066	: 3,434		2,981	: 54,158	: 280,41	5 :	8,248,90
)39		6,019,109	: n. a.	:	2,400	1 79,201	1 349,49		7,392,896

1/ Does not include Formosa, for which data are not available by quantity.

Source: Production - Japan Year Books.

Imports and exports - official annual and monthly statistics of Japan and Korea.

Table 4 .- Cotton yern: Production in Japan, by yarn groups, 1929-39

Year	Und	ier	198.		20s		228	相	238	- 445		458 an	d ov	er	Total
				100	-	Ų	antity ()	,0	00 bale	es) 1	-				
A 14 F 3	:Fercent	State of the			ercent f tota	06/20	The second second	27920	rcent	STATE OF THE PARTY	7560	rcent [*otel	Service of the last		
	:	900	-100	•		39					900	SHAN WE	683	100	小板 A 40
929	: 29.6		827.4		31.5	5	878.4	200	35.3	: 985.0		3.6	. 10	8.10	2,792.
930			780.5	:	32.0		Marit 200880 man		No. of the Person	The second secon		DECEMBER OF STREET		RECEIPTION.	2,524.
9;1		:	809.8	:	31.3	*	The second secon		Market Control	: 814.4	SPERKUL.	CARRIED CONTRACT	: 1	19.5	2,567.
952	: 28.6	:	797.2	:	32.1	:	896.9		33.6	: . 937.9	19	5.7	: 19	8.4	2,790.
.933	: 28.3	:	877.0	:	30.3		941.1	-	37.0	:1,146.0		4.4	. 1	6.7	3,100.
934	: 27.7	:	962.1		31.7	:	1,100.9	:	37.6	:1,305.4		3.0	: 10	4.0	3,472.
.935	: 28.1	:	999.3	:	28.8	:	1,026.0	:	39.7	:1,412.9	1	3.4	: 12	22.6	3,560.
936	: 28.2	:	1,015.6	:	28.5	:	1,027.3	:	39.5	:1,425.6	:	3.8	: 13	8.9	: 3,607.
937	: 27.8	:	1,101.9	:	29.4		1,167.0	:	39.1	:1,549.2		3.7	: 1	8.1	3,966.
.938	: 27.5	:	786.8	:	29.8	:	850.5	:	38.5	:1,101.5	:	4.2	: 12	20.2	: 2,859.
19:59	: 26.6	:	693.6	:	30.5	:	794.3		37.0	: 964.1	:	5.9	: 15	53.7	2,605.
	:	:		:	100	:		:		:	:			- 1	45

1/ One bale is equivalent to 3 piculs or 396.8 lbs.

Source: Japan-Manchukuo Year Books.

4-31

.

A-34

8

Trade in cotton yarn

Japan's trade in cotton yarn is small in comperison with its production. Imports represented about one percent of production in the period 1925-39, while exports represented about 3.5 percent. Imports were mainly coarse and medium yarns from China and Kwantung and small quantities of fine yarns from Great Britain. Exports were shipped principally to British India, Korea, manchuria, and the Netherlands Indias. (See table 5.) Although exports of cotton varn represented less than 4 percent of production, they ranked, in value, among the first six commodities exported from Japan in recent years.

Cotton Manufactures ...

the war, that or cotton riece gods was by far the most important. In the years 1933-38 cotton cloth was Japan's chief export item, but ranked second to raw silk in other years. The cloth was woven in mills affiliated with the Japan Cotton Spinners' Association and also in a large number of small independent weaving mills which purchased the yarn from association mills. The weaving industry was not as fully developed as spinning, largely because it was less modernized; about two-thirds of the looms were nonautomatic power looms and hand looms. Member mills of the Association operated 114,000 power looms in 1936 of which probably not more than 40,000 were automatic. Most of the fabric woven on the association looms was produced for export, while the output of power looms in independent mills was both for export and home consumption; most of the hand-loom products were for home consumption. Beginning in 1938 cotton cloth for home consumption was required, by law, to contain at least 30 percent staple fiber. Since imports of raw cotton during the war were reduced to a minimum, the cutput of cloth by the cotton goods industry probably consisted of cloth wholly of staple fiber and of cloth containing a large proportion of this fiber.

Table 5 .- Cotton yern: Exports from Japan to principal countries, 1928-39

Year	: British :N		Hong Kong	Menchuria,	Korea	Other 2/	Total
	: India 3 .	Incres .	Cuantity	(100 kin)			
	£1 201 .	8,627 :	47,765		79,771 :	70,441 :	294.740
926	-: 51,781 :	7,203 :	20,965		72,920 :	68,136 :	
)2)	-: .02,741 :	Carrier Constitution (Constitution Constitution Constitut	39,523		75,281 :	57,853 :	
930	: 60,116 :	5,754 :	7,258		74,301 :	29,849 :	
931	: 48,596 :	5,441 :			123,118 :	55,975 :	
)32		21,978 :	24.504		85,078 :		
Average, 1928-32	: 79,204 :	9,801 :	28,003	: 18,544 :	03,010	70.472 .	271,00
				22 620	00 01/	40,603 :	2/2 03
933	: 55,296 :	11,953 :	3,426		98,014 :	1/3/9/11/99/L/2015/C	
934	: 72,955 :	13,556 :	1,059		151,493 :		
935	: 134,641 :	39,564 :	10,555		118,429 :		
936	: 126,528 :	46,147 :	20,349	Dr. Committee of the Co	69,713 :	63,636 :	
937	-: 110,657 :	92,138 :	31,259		40,305 :	72.411":	
Average, 1933-37		40,672 :	13,330	: 55,649 :	. 95,591	60,327:	365,58
	: :			1		Ball Die	
938	: 141,614 :	67,553 :	7,326	: 32,569 :		. 66,733 :	
939		144.191 :	73,501		2.444 1	144.790 :	628,69
***			Value	(1,000 yen)	三 页面的	10000000000000000000000000000000000000	
928	: 9,178:	827 :	4,193	: 3,489 :	7,167	9,463 :	34,31
929		769 :	2,118		6,519	9,544 :	34,80
930	-: 6,574 :	445 :	2,592		4,841	5,486 :	21,0
931		356 :	447		4,069		13,50
932		1.442 :	1,336		5.685	F	28,4
		768 :			5,696	6,353 :	
Average, 1928-32	7,020 :			W. T. S.	- School 201	0.0000000000000000000000000000000000000	200
033	7 602	1,234 :	269	: 3,098 :	5,993	4,877 :	23,0
933		1,695 :	129	The second secon		8,512 :	and the same of th
934			CONTRACTOR OF THE PARTY OF THE	THE PART OF THE PARTY OF THE PA	9,621	Berlin Charles Committee	
935		4,403 :	1,840	MANAGEMENT OF THE PARTY OF THE	March Barry Labor March 1997	BILLIAN CONTRACTOR CANAL AND A	45,4
936		5,489 :					60.3
937		13,790 :	3,625		6.934	THE RESERVE AND ADDRESS OF THE PARTY OF THE	
Average, 1933-37 -	: 15.341 :	5,322 1	1,365	1 246.17	0,724	1,072	42,0
	1	197	- 1	-			10
1938		7,583 :		AND RESIDENCE OF THE PARTY OF T	1,775		42,2
1939	: 28,959:	14,094 :	5,010	: 6,671 :	305	: 16,356	.71,3

4-3

Table 6.- Cotton cloth: Summary of Japanese production, imports, exports, and apparent consumption, 1926-39

Year	:Production	: Import : Empire : areas 1	ts from-	: Expor	rts to-	Apparent
	:_yards)	•	(Million			consumption
1928	-: 3/				rds)	(Million yards)
1929		: 1.3	: 12.4		: 1,365.1 :	
1731	-: 2,615.4	: 1.7	: 14.0	199.9	: 1,734.4:	728.2
1)6		5.5	: 11.6	206.8	: 1,526.4 :	889.0
Averege, 1929-32	2 800 0		× 10.1:	300.1	: 1,375.8 :	1,280.7
		2.4	: -11.3:		: 1,929.7 : : 1,641.6 :	861.6
933	2,010.0	1.4	:		:	944.8
///	: 4,058.0:	2.1	9.1:		: 1,912.3 :	1,315.5
130		3.6	1.5	402.0	: 2,323.2 :	1,276.6
721			1.4:	514.4	: 2,495.7:	1,217.5
Average, 1933-37 -	3 0000 :	22.6	1.0.		2,359.0:	1,105.8
	2.232.4:	6.9	2.9.:	many and a distance of the last	2.313.6:	1.457.9
38	3,101.0:	. :	:	1	2,280.8:	1,274.7
39	3,028.1	12.2 :	.3:	286.5 :	1,987.3:	
		29.8 :	Neg. :		2,422.8 :	839.7
1/ Principally Korea			<u>:</u>		-,	594.3

^{2/} Principally Korea.
2/ Excludes exports to Formosa for which data are not available.
3/ Not reported.

Source: Japan Year Books and official monthly and annual statistics of Japan, Formose, and Koren.

10

0 164 0002 1269

A-34

Summary of production, imports, exports, and apparent consumption

Cotton cloth available for consumption in Japan in the period 1937 varied considerably, depending largely on the amount exported. Production reached a peak of 4.2 billion yards in 1937, declining to 3.0 billion yards in 1939. Exports averaged over 2.7 billion square yards annually in the years 1933-37, but declined to 2.3 billion yards in 1938 and amount to 2.5 billion yards in 1939. The quantity available for home consumption averaged about 1.3 billion yards in the period 1933-37, declining to less than 600 million yards in 1939.

Imports of cotton cloth amounted to less than 1 percent of production, whereas exports in the period 1929-39 amounted to about 55 percent as moduction in 1931 and 80 percent in 1939, averaging approximately 60 becomes for the period. Of the total exports of cotton cloth from 1928 to 1822 from 10 to 12 percent was shipped to Empire areas; less than exported to these areas in 1939. The bulk of exports of cotton cloth shipped to British India, Netherlands Indies, Chins, and Manchuria, substantial quantities going to Egypt, Straits Settiannes, Philippin Islands, and Kwantung. A summary of production, imports and exports shown in table 6.

Cotton cloth production

The output of cotton cloth in Japon increased through the 1920 reach a peak of 4.2 billion yards in 1937. Production by since of lattice according to annual censuses taken by the Japonese Government, is shown two groups, namely, wide fabrics reported in meters and narrow fabrics reported in rells. Totals in recent years are reported in value only, principal fabrics are listed as shirtings, drills and jeans, striped and colored cloths, sheetings, flammels and T-cloths. (See table 7.)

Analysis of the yern data indicates a shift toward greater output of finer yern and consequently finer cloth. The output of shirting, for example, showed a more rapid advance than other fabrics. "Shirtings" a used in Japanese statistics covers a wide variety of plain-woven fabrics ande from the finer yerns. Such fabrics include print cloths, broadcloths, cambric, leums, and similar types. Sheetings, on the other hand, include for its made from coarser yerns, such as bag fabrics and coarse sheeting. Most of the output of wide cloths is made for export.

PURL: http://www.legal-tools.org/doc/12128c/

Table 7.- Cotton cleth: Total production in Japan proper, by classes, in specified years, 1369 to 1938

Cless	1929	:	1931		1933	:	1935	:	1937	:	1938
				(Quantity ()		000 meters))		TO TO	
Wide cloths:	-	:		:		:	-	:		:	
Shirtings:	900,898	:	789,842	:	1,268,303	:	1,485,751	:	1,573,542	:	1,180,682
Drills and jeans	595,176	:	437,802	:	597,596	:	613,532		730,341		581,835
Striped and colored:	59,066	:	162,369	:	333,149	:	473,736	:	439,724	:	257,948
Sheetings:	270,247	:	280,366		346,577	:	345,192	:	258,619	:	193,564
Flannels:	204,786	:	169,536		176,114	:	305,583	:	259,625	:	130,356
T-cloths:	171,122	:	175,596	:	270,222	:	276,961	:	233,003	:	175,260
Satcens:	218,324	:	143,665		133,998	:	103,198	:	84,858		70,007
Velveteens:	38,448		24,305		30,272	:	47,953	:	67,392		42,989
Crepes:	82,828		81,947		82,285	:	47,178	:	34,898	:	24,718
Duck:	21,790		25,177		29,407		27,647		44,633		36,598
Kokura:			_		-	:	76,982		77,037		38,350
Other gray or bleached:	88,958	:	75,206	:	203,491	:	1/	:	1/	:	1/
Total (1,000 meters)-:	2,651,643	:				:	1/	:	1/	:	1/
Total (1,000 yen):							731,695	:	865,963	:	677,478
新足形式 地名 (1)		8									
Nerrow cloths:		:		:		:		:		:	
White tissues:	96,675	:	88,919	:	.78,143	:	82,232	:	78,974	:	37,986
Striped tissues:	32,404		25,616		19,106		15,486		15,529		8,296
Figured tissues:	12,247		10,215		6,844		6,208		5,101		3,195
Colored tissues:	6,773		5,550		4,685	:	5,347	:	4,584	:	2,981
Crepes:	663		972			:	1,125	:	336	:	327
Total (1,000 rolls):	148,962	:	161,272			:	1	:	1/.	:	1/
Total (1,000 yen):	148,766		84,227				88,315	:	96,453	:	72,632
	,	:				:		:		:	
1/ Quantities not reported	1.	-			1						2.0

1/ Quantities not reported.

Source: Japan-Manchukuo Year Books.

184 0005 1611

A-34

Imports

Imports of cotton cloth into Japan have never been large, amounting to less than 1 percent of production. Until recently imports have been mainly fine cloths and specialties from Great Britain and Ewitzerland, but these declined from about 14 million square yards in 1929 to less than one million in 1937 and to 34 thousand in 1939. Imports from Empire areas, chiefly Koren, increased from less than one million square yards in 1929 to nearly 30 million in 1939 probably because of increased number of Japanese-controlled mills in those areas, and the effort made in prewar years to reduce exchange expenditures for raw cotton by using Korean cotton for textiles consumed in Japan. The trend of imports, by Empire and other areas, in the period 1925 to 1939, is shown in table 6 above.

Exports

Although the Johnese cotton-textile industry had been undergoing expansion for several years, its most notable progress was made during end after forld far i. The industry not only augmented its spindleage and made huge profits, but Japan increased its export volume of cotton goods and secured footnoids in a number of markets to which it had no access before the First horld har. So great was this rise that by 1933 Japan had displaced the United Kingdom as the world's leading exporter of cotton cloth. In general, Japan penetrated into virtually every market of the world where cotton goods were sold, including countries with high stundards of living. In the growth of its exports Japan first became entrenched in the Asiatic darkets, later expending into African and Latin American markets. (See table 9.)

The cotton cloths experted from Japan were predominantly those made on power looms, and the expansion of exports has been coincident with the development of the cotton mill industry in Japan. (See table 2.) A measure of the expansion of Japan's export trade is indicated in table 8, showing the value of export, over a period of years.

Exports of cotton cloths from Japan are predominantly colored goods, such as prints, joans, and shirtings. Of the total exports of cotton cloth in the decade 1930-39 colored goods averaged about 46 percent of the quantity and 53 percent of the value. Gray cloths (not bleached) accounted for 35 percent of the quantity and 30 percent of the value. The principal markets have been China, Manchuria, India, and the Netherlands Junies. Other importants that markets include Egypt, Straits Settlements, Kwantung, and the Pallippine Ich ands. (See table 9.)

Table 9 .- Cotton piece goods: Exports from Japan to principal markets other than Formosa 1/, 1928-39

lear	British India	Manchuria	Kwantung	Korea	Netherlands Indies	China	Borpt	Straits Settlements	Philippine Islands	United States	Other	Total
					Quantit	y (million	equare y	erds)		9010	3903	
1928	357.7	2/	53.7	169.1	172.7	3, 532.3	77.6	15.9	31.0	1.1	176.7	1,587.9
1929 —	581.7	2/	56.4	143.5	193.6	2, 531.9	107.5	29.6	26.7	.6	262.8	
1930	404.2	2/	45-4	166.0	182.9	3/ 436.4	109.0	44-5	35.1	1007.0	313.9	1,934.3
1931	404-4	3/	37.9	162.9	212.1	2/ 239.5	103.8	41.3	33.4	.5		1,737.8
1932	644.7	15.2	88.8	196.1	353-3	187.4	195.5	82.2	21.4	1.6	443.7	2,229.9
Average,		-					-				~~.	× 97.4.7.7
1928-32	478.5	3.0	56.5	167.5	222.9	385.5	118.7	42:7	29.5	.8	307.7	1,813.3
1933	451.6	91.9	86.0	215.3	423.1	113.2	210.4	95.8	34.9	7.5	575.8	2,305.5
1934	410.5	170.4	83.6	208.0	441.0	59-4	233.7	91.0	75.7	17.4	994.5	2,785.2
1935	556.2	161.3	68.1	174.6	370.5	56.0	163.7	44.8	87.5	48.3	1,168.7	
1936	479.7	223.8	127.1	163.5	351.7	37.3	106.1	48.4	4.3	73.4	1,218.1	2,899.7
1937	331.2	212.2	117.6	135.1	434-4	45.1	49.7	51.8	54.2 .	123.8	1,223.4	2,873.4
Average.		-						,	- 0	22,00	-122314	2,110.7
1933-37	445.8	171.9	* 96.5	179.3	404.1	62.2	152.7	66.3	59.3	54.1	1,036.3	2,728.5
1938	469.9	135.2	58.3	93.0	246.4	110.6	21.4	26.3	-			
1939	476.0	7.7	15.1	18.0		22.9	37.3	29.6	32.7 37.0	71.5	1,063.9	2,273.8
					Val	ue (million	ren)		-		100	
28	70.2	2/	15.1	42.8	39.3	2 156.5	17.6	3.5	1	.2	1	
1929	109.1	27	15.3	36.0		1 150.1	24.4	5.8	6.8		41.0	395.0
1930	61.2	2/	9.2	31.4	28.3	3/ 86.9	20.5	6.3	5.6	.1	59.9	448.6
1921	49.8	2/	6.1	23.5	28.3	2/ 43.0	14.9	5.2	5.4	.1	54.2	303.5
1932	80.6	3.2	. 16.1	30.0		37.1	27.0	11.2	2.8	.1	47.2	222.2
Average,		-	77				-110		2.0		60.3	318.7
1928-32	74.2	6	12.4	32.7	37.7	95.1	20.9	6.4	4.9	.1	52.6	337.6
1933	71.4	21.6	18.8	43.8	78.2	25.6	38.3	17.6	-			
1934	66.8	40.2	19.2	44.2	82.8	13.0	46.8	17.4	5.8	1.3	104.6	427.0
1935	85.2	35.7	15.2	36.3	66.6	11.9	31.7	8.5	13.2	2.8	190.1	536.5
1936	72.5	47.2	28.3	32.1	55-4	7.9	20.5	9.2	14.5	8.2	218.6	532.4
1937	63.0	55.7	29.4	32.4	85.6	11.3	10.5	12.2	12.1	13.8	221.1	515.7
Average,					-				22.2	22.2	272.0	. 605.4
1935-37	71.8	40.1	22.2	37.8	73.7	13.9	29.6	13.0	10.6	9.6	201.1	523.4
1938	67.9	38.0	17.4	25.6	39.5	23.9	-	-	-			
1939	62.4	4.5	5.2	10.1	53.2	10.9	3.3 5.8	5.1	6.1	10.2	200.7	429.9

^{1/} Data for Formosan imports of cotton piece goods are not separately reported.
2/ Not separately recorded; included with China.
3/ Includes Manchuria.

Source: Annual Return of the Foreign Trade of Japan, Tables of the Trade and Shipping of Chosen (Kores).

Table 10 .- Cotton and cotton menufactures: Production, not experts, and consumption in Japan proper, and related data, 1928-39

																		1.0			
	1	Cotton	textile	5 (in to	ras	of y	Tr	equiv	lent)	:			:	Codedia	:			Raw cotton		
:	Row :	+	Net	Net export:			ns :		Consumption		:	Spindles:				:	required	:	to operat		
Treez	cotton:					:		:		:Percen	t:						for home		required pindles to		
:	consumus:	luction:.				:Fimished:			Quantity:produc		•		P	:					:looms forhard		
	i	i		:					:	: tion						:		:	consumptio		
			In mill	lion	s of	pou	nds			.:	:		In th	ous	ands			:	Million rounds		
28	1.1/0:	973:	38	:1/	423	:2/	60	:	15%	: 46.5	÷	6,467 :	370	:	3,007	:	175	:	530		
29:	Company of the Party of the Company				516			:	493	: 44.5			363	:	3,042	:	165	:	580		
30:					464			:	438			7,214 :		:	3,162	:	155	:	513		
31:					420			:	547	: 53.7	:	7,535 :	342	:	4,046	:	185	:	645		
32:	1,293 :	1,115:	40	:	571	:2/	80	:	424	: 38.0	:	7,965 :	352	:	3,527	:	156	:	491		
Average, :		:		:		:		:		:	:			:	7.	:		:			
1928-32:	1,222:	1,043:	23	:_	479	:2/	70	:	471	: 45.1.	:	7,203:	355	:	3,255	:	.63	:	551 5		
33:	1,419 :	1,230:	9	:	592	:2/	90	:	539	: 43.9	:	8,644:	363	:	3,795	:	160	:	623		
34:	1,589 :	1,374:	24	:			100	:	509	: 37.1	:	9,531 :	377	::	3,536	:	140	:	590		
35:	1,656 :	1,412:	47	:	770	:2/	110	:	425	: 34.4	:	10,197 :	380	:	3,508	:	195	:	570		
36:			17	:	763	:	125	:	496	: 31.7	:	10,990 :	390	:	3,313	:	33.0	:	582		
37:			52	:	750	:	145	:	644	: 40.5	:	12,191 :	7,07	:	4,937	:	165	:	7/2		
verage, :		:		:		:		:		:	:	:		:		:		:			
1933-37:		1,408:	36	:	723	:2/	114	:	555	: 38.0	:	10,310:	385	:	3,918	:	150	:	621		
38:		1,134:	43	:	701	:	90	:	300	: 26.4	:	12,776 :	387	:	3,373	:	102	:	345		
39:		1,001:	83	:	699	:	-62	:	217	: 20.4	:	11,603:		:	2,367	:	100	:	248		
:	:	:		:		:		:		:	:	:		:		:		:			

Source: Japan Year Book and Annual Returns of Foreign Trade of Japan.

^{1/} Estimates based on cotton cloth exports, 3.75 yards a pound.
2/ Estimates based on relation of exports 1936-39 to cotton cons
2/ Net imports. Estimates based on relation of exports 1936-39 to cotton consumption and other factors.